


Please type a plus sign (+) in this box
Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/05 (08-00)
Approved for use through 10/21/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No. 129137NV (14291US01)	
		First Inventor Anderson	
		Title	WIRELESS ELECTROMAGNETIC TRACKING SYSTEM USING A NONLINEAR PASSIVE TRANSPONDER
		Express Mail Label No. EV 329 160 228 US	
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.		Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA. 22313-1450	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)		7. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)	
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		8. Nucleotide and/or Amino Acid sequence Submission (if applicable, all necessary)	
3. <input checked="" type="checkbox"/> Specification [Total Pages 17] (preferred arrangement set forth below) -Descriptive title of the invention -Cross Reference to Related Applications -Statement Regarding Fed sponsored R&D -Reference to sequence listing, a table, or a computer program listing appendix -Background of the Invention -Brief Description of the Drawings (if filed) -Detailed Description -Claim(s) -Abstract of the Disclosure		a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies	
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 6]		ACCOMPANYING APPLICATION PARTS	
5. Oath or Declaration [Total Pages 2] a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> DELETION OF INVENTORS Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & documents(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of (when there is an assignee) Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input checked="" type="checkbox"/> Information Disclosure <input checked="" type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449 Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122(b) (2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other: _____	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner: Group/ART Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.			
18. CORRESPONDENCE ADDRESS			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		<input type="checkbox"/> Correspondence address below	
		23446 PATENT TRADEMARK OFFICE	
Name			
Address			
City		State	Zip Code
Country		Telephone	Fax
Name (Print/type) David R. Beto		Registration No. (Attorney/Agent) 51,467	
Signature 		Date 7/3/03	

16016 U.S. PTO
10/612569
07/02/03

17668 U.S. PTO
07/02/03

PTO/SB/17 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction act of 1995, no persona are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003 Patent Fees are subject to annual revision.		Complete if Known	
		Application Number	Not Assigned
		Filing Date	Herewith
		First Named Inventor	Anderson
		Examiner Name	Not Assigned
		Group Art Unit	Not Assigned
TOTAL AMOUNT OF PAYMENT	(\$1,720.00)	Attorney Docket No.	129137NV (14291US01)

METHOD OF PAYMENT 1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number: 502403 Deposit Account Name: GEMS-IT <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other		FEE CALCULATION (continued) 3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for <i>ex parte</i> reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>410</td> <td>2252</td> <td>205</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>930</td> <td>2253</td> <td>465</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,450</td> <td>2254</td> <td>725</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>1,970</td> <td>2255</td> <td>985</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>320</td> <td>2401</td> <td>160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>320</td> <td>2402</td> <td>160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>280</td> <td>2403</td> <td>140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,300</td> <td>2453</td> <td>650</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,300</td> <td>2501</td> <td>650</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>470</td> <td>2502</td> <td>235</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>610</td> <td>2503</td> <td>315</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Processing fee under 37 CFR 1.17(q)</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td>40.00</td> </tr> <tr> <td>1809</td> <td>750</td> <td>2809</td> <td>375</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>750</td> <td>2810</td> <td>375</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>750</td> <td>2801</td> <td>375</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="5">Other fee (specify)</td> <td></td> </tr> </tbody> </table>		Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	410	2252	205	Extension for reply within second month		1253	930	2253	465	Extension for reply within third month		1254	1,450	2254	725	Extension for reply within fourth month		1255	1,970	2255	985	Extension for reply within fifth month		1401	320	2401	160	Notice of Appeal		1402	320	2402	160	Filing a brief in support of an appeal		1403	280	2403	140	Request for oral hearing		1451	1,510	1451	1510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,300	2453	650	Petition to revive - unintentional		1501	1,300	2501	650	Utility issue fee (or reissue)		1502	470	2502	235	Design issue fee		1503	610	2503	315	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00	1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))		1801	750	2801	375	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application		Other fee (specify)					
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																		
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																			
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																			
1053	130	1053	130	Non-English specification																																																																																																																																																																																			
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																			
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																			
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																			
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																			
1252	410	2252	205	Extension for reply within second month																																																																																																																																																																																			
1253	930	2253	465	Extension for reply within third month																																																																																																																																																																																			
1254	1,450	2254	725	Extension for reply within fourth month																																																																																																																																																																																			
1255	1,970	2255	985	Extension for reply within fifth month																																																																																																																																																																																			
1401	320	2401	160	Notice of Appeal																																																																																																																																																																																			
1402	320	2402	160	Filing a brief in support of an appeal																																																																																																																																																																																			
1403	280	2403	140	Request for oral hearing																																																																																																																																																																																			
1451	1,510	1451	1510	Petition to institute a public use proceeding																																																																																																																																																																																			
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																			
1453	1,300	2453	650	Petition to revive - unintentional																																																																																																																																																																																			
1501	1,300	2501	650	Utility issue fee (or reissue)																																																																																																																																																																																			
1502	470	2502	235	Design issue fee																																																																																																																																																																																			
1503	610	2503	315	Plant issue fee																																																																																																																																																																																			
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																			
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																			
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																			
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00																																																																																																																																																																																		
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																			
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																			
1801	750	2801	375	Request for Continued Examination (RCE)																																																																																																																																																																																			
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																			
Other fee (specify)																																																																																																																																																																																							
FEE CALCULATION 1. BASIC FILING FEE <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>750</td> <td>2001</td> <td>375</td> <td>Utility filing Fee</td> <td>750.00</td> </tr> <tr> <td>1002</td> <td>330</td> <td>2002</td> <td>165</td> <td>Design filing Fee</td> <td></td> </tr> <tr> <td>1003</td> <td>520</td> <td>2003</td> <td>260</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004</td> <td>750</td> <td>2004</td> <td>375</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005</td> <td>160</td> <td>2005</td> <td>80</td> <td>Provisional filing fee</td> <td></td> </tr> </tbody> </table> SUBTOTAL (1) (\$750.00) 2. EXTRA CLAIM FEES <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>34 - 20** =</td> <td>14 x</td> <td>18 =</td> <td>252</td> </tr> <tr> <td>Independent Claims 7 - 3** =</td> <td>4 x</td> <td>84 =</td> <td>578</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>830</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>1202</td> <td>18</td> <td>2202</td> <td>9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>1201</td> <td>84</td> <td>2201</td> <td>42</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>1203</td> <td>280</td> <td>2203</td> <td>140</td> <td>Multiple dependent claim, if not paid</td> </tr> <tr> <td>1204</td> <td>84</td> <td>2204</td> <td>42</td> <td>**Reissue independent claims over original patent</td> </tr> <tr> <td>1205</td> <td>18</td> <td>2205</td> <td>9</td> <td>**Reissue claims in excess of 20 and over original patent</td> </tr> </tbody> </table> SUBTOTAL (2) (\$830) **or number previously paid, if greater; For Reissues, see above		Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	1001	750	2001	375	Utility filing Fee	750.00	1002	330	2002	165	Design filing Fee		1003	520	2003	260	Plant filing fee		1004	750	2004	375	Reissue filing fee		1005	160	2005	80	Provisional filing fee		Total Claims	Extra Claims	Fee from below	Fee Paid	34 - 20** =	14 x	18 =	252	Independent Claims 7 - 3** =	4 x	84 =	578	Multiple Dependent			830	Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	1202	18	2202	9	Claims in excess of 20	1201	84	2201	42	Independent claims in excess of 3	1203	280	2203	140	Multiple dependent claim, if not paid	1204	84	2204	42	**Reissue independent claims over original patent	1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	SUBTOTAL (3) (\$)																																																																																																			
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																		
1001	750	2001	375	Utility filing Fee	750.00																																																																																																																																																																																		
1002	330	2002	165	Design filing Fee																																																																																																																																																																																			
1003	520	2003	260	Plant filing fee																																																																																																																																																																																			
1004	750	2004	375	Reissue filing fee																																																																																																																																																																																			
1005	160	2005	80	Provisional filing fee																																																																																																																																																																																			
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																				
34 - 20** =	14 x	18 =	252																																																																																																																																																																																				
Independent Claims 7 - 3** =	4 x	84 =	578																																																																																																																																																																																				
Multiple Dependent			830																																																																																																																																																																																				
Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description																																																																																																																																																																																			
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																																			
1201	84	2201	42	Independent claims in excess of 3																																																																																																																																																																																			
1203	280	2203	140	Multiple dependent claim, if not paid																																																																																																																																																																																			
1204	84	2204	42	**Reissue independent claims over original patent																																																																																																																																																																																			
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent																																																																																																																																																																																			

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	David R. Beto	Registration No. (Attorney or Agent)	51,467	Telephone	312-775-8000
Signature		Date	7/2/03		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.